

# Report on the 29th SPEEDUP Workshop

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# SPEEDUP

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29th [SPEEDUP](#) Workshop on  
**Distributed Computing and High-Speed Networks**  
*[University of Bern, Switzerland, March 22 - 23, 2001](#)*



sponsored by [Cisco Systems \(Switzerland\)](#) and [Getronics AG \(Switzerland\)](#)

**CISCO SYSTEMS**



EMPOWERING THE  
INTERNET GENERATION<sup>SM</sup>

**Getronics**

- Principal organizer: Prof. Torsten Braun, Computer Science, University of Berne
- 2 sponsors
- 75 participants



# First day

- Session I: **High-Speed Networking I**
  - Walter Dey (Cisco): 10G-Ethernet, WDM, MPLS, Traffic Engineering
  - Simon Leinen (SWITCH Zurich): Next Generation Research Networks
  - Burkhard Stiller (ETH Zurich): Charging and Accounting in High-Speed Networks
- Session II: **High-Speed Networking II**
  - Richard Gold (GMD FOKUS Berlin): Programmable Networks
  - Thomas Stricker (ETH Zurich): Gigabit Interfaces for Parallel and Distributed Systems
- Session III: **Grid Computing**
  - Wolfgang Gentzsch (SUN Microsystems): Grid Computing: The Internet is the Computer
  - Djordje Maric (CSCS Manno): The Swiss Grid project
- 9th General Assembly of the SPEEDUP Society
- Workshop Dinner

## Second day

- Session IV: **Distance Learning**
  - Christine Vanoirbeek (EPF Lausanne): Web-Based Learning Systems
  - Florian Baumgartner (Uni Bern): Distributed Emulation of IP Networks
  - Martin Guggisberg (Uni Basel): Nanoworld: A Cooperative Learning Environment on Nanoscience
- Session V: **Distributed Computing and Distributed Systems**
  - Gustavo Alonso (ETH Zurich): BioOpera: Cluster Computing in Bioinformatics
  - Ralf Gruber (EPF Lausanne): Will cluster computing penetrate the IT market?
  - Chris Joslin (Uni Geneva): Distributed Virtual Reality Systems
  - Johannes Schneider (Uni Zurich): Searching for Backbones - A High-Performance Parallel Algorithm for Solving Combinatorial Optimization Problem

## Available information

- Web page of the workshop  
<http://www.speedup.ch> → link to workshops
- Web page of the Speedup society:  
<http://www.speedup.ch>
- Proceedings: Electronic Notes of Future Generation Computing Systems:  
<http://www.elsevier.nl/inca/publications/store/5/0/5/6/1/1/>  
→ link to ENFGCS
- To come: Special issue of Future Generation Computing Systems (FGCS):  
<http://www.elsevier.nl/inca/publications/store/5/0/5/6/1/1/>

## Next Speedup workshop

Date: March 21/22, 2002

Location: Lausanne

Topic: tba

Organizers: Michel Deville, John Maddocks, Marie-Christine Sawley